

FORM PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 3504.246	SERIAL NO. To Be Assigned
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)		APPLICANT: Offord, et al.	09/678,851
		FILING DATE Herewith	GROUP 1639

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
P1	5,739,208	4/14/1998	Harris	525	54.1	6/7/1995
P2	5,672,662	9/30/1997	Harris, et al.	525	408	9/30/1997
P3	5,122,614	6/16/92	Zalipsky	548/520		6/16/1992
P4						
P5						
P6						
P7						
P8						
P9						
P10						
P11						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
F1	96/34878	11/7/1996	WO	6			
F2	96/17935	6/13/1996	WO	6			
F3	0 605 963 A2	12/7/1993	EP	5			
F4							

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

D1	Abuchowski, Abraham, et al., "Alteration of Immunological Properties of Bovine Serum Albumin by Covalent Attachment of Polyethylene Glycol", <u>J.Biol.Chem.</u> , Vol. 252, No. 11, pp. 3578-3581 (1977)
D2	Alkhayat, Ghilad, et al., "CC CKR5: A RANTES, MIP-1 α , MIP-1 β Receptor as a Fusion Cofactor for Macrophage-Tropic HIV-1", <u>Science</u> , Vol. 272, pp. 1955-58 (1996)

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		6/24/03

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	D3	Angiolillo, et al., "A Role for the Interferon-Inducible Protein 10 in Inhibition of Angiogenesis by Interleukin-12", <u>Annals NY Acad. Sci.</u> , Vol. 795, pp. 158-167 (1996)
	D4	Arenzana-Seisdedos, Fernando, et al., "HIV Blocked by Chemokine Antagonist", <u>Nature</u> , Vol. 383, p. 400 (1996)
	D5	Berger, et al., "A New Classification for HIV-1", <u>Nature</u> , Vol. 391, p. 240 (1998)
	D6	Cairns, et al., "Chemokines and HIV-1 Second Receptors: The Therapeutic Connection", <u>Nature Med.</u> , Vol. 4, No. 5, pp. 563-568 (1998)
	D7	Chen, et al., "Genetically Divergent Strains of Simian Immunodeficiency Virus Use CCR5 as a Co-Receptor for Entry", <u>J. Virol.</u> , Vol. 71, No. 4, pp. 2705-2714 (1997)
	D8	Chesebro, et al., "Mapping of Independent V3 Envelope Determinants of Human Immunodeficiency Virus Type 1 Macrophage Tropism and Syncytium Formation in Lymphocytes", <u>J. Virol.</u> , Vol. 70, No. 12, pp. 9055-9059 (1996)
	D9	Choe, et al., "The β -Chemokine Receptors CCR3 and CCR5 Facilitate Infection by Primary HIV-1 Isolates", <u>Cell</u> , Vol. 85, pp. 1135-1148 (1996)
	D10	Cocchi, et al., "Identification of RANTES, MIP-1 α , and MIP- β as the Major HIV-Suppressive Factors Produced by CD8+ T Cells", <u>Science</u> , Vol. 270, pp. 1811-1815 (1995)
	D11	Cocchi, et al., "The V3 Domain of the HIV-1 gp 120 Envelope Glycoprotein is Critical for Chemokine-Mediated Blockade of Infection", <u>Nature Med.</u> , Vol. 2, No. 11, pp. 1244-1247 (1996)
	D12	Connor, et al., "Increased Viral Burden and Cytopathicity Correlate Temporally with CD4+ T-Lymphocyte Decline and Clinical Progression in Human Immunodeficiency Virus Type 1-Infected Individuals", <u>J. Virol.</u> , Vol. 67, No. 4, pp. 1772-1777 (1993)
	D13	Danesi, et al., "Inhibition of Experimental Angiogenesis by the Somatostatin Analogue Octreotide Acetate (SMS 201-995)", <u>Clin. Cancer Res.</u> , Vol. 3, pp. 265-272 (1997)
	D14	Datema, et al., "Antiviral Efficacy in Vivo of the Anti-Human Immunodeficiency Virus Bicyclam SDZ SID 791 (JM3100), an Inhibitor of Infectious Cell Entry", <u>Antimicrob. Agents and Chemo.</u> , Vol. 40, No. 3, pp. 750-754 (1996)
	D15	Dawson, et al., "Synthesis of Proteins by Native Chemical Ligation", <u>Science</u> , Vol. 266, pp. 776-779 (1994)
	D16	Deng, et al., "Identification of a Major Co-Receptor for Primary Isolates of HIV-1", <u>Nature</u> , Vol. 381, pp. 661-666 (1996)
	D17	Doranz, et al., "A Dual-Tropic Primary HIV-1 Isolate That Uses Fusin and the β -Chemokine Receptors CKR-5, CKR-3, and CKR-2B as Fusion Cofactors", <u>Cell</u> , Vol. 85, pp. 1149-1158 (1996)
	D18	Friedlander, et al., "Definition of Two Angiogenic Pathways by Distinct α , Integrins", <u>Science</u> , Vol. 270, pp. 1500-1502 (1995)
	D19	Gao, et al., "Structure and Functional Expression of the Human Macrophage Inflammatory Protein 1 α /RANTES Receptor", <u>J. Exp. Med.</u> , Vol. 177, pp. 1421-1427 (1993)
	D20	Gauduin, et al., "Passive Immunization With a Human Monoclonal Antibody Protects hu-PBL-SCID Mice Against Challenge by Primary Isolates of HIV-1", <u>Nat. Med.</u> , Vol. 3, No. 12, pp. 1389-1393 (1997)
	D21	Hojo, Hironobu and Aimoto, Saburo, "Polypeptide Synthesis Using the S-Alkyl Thioester of a Partially Protected Peptide Segment. Synthesis of the DNA-Binding Domain of c-Myb Protein (142-193)-NH ₂ ", <u>Bull. Chem. Soc. Jpn.</u> , Vol. 64, pp. 111-117 (1991)

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To Be Assigned

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	D22	Jose, et al., "Eotaxin: A Potent Eosinophil Chemoattractant Cytokine Detected in a Guinea Pig Model of Allergic Airways Inflammation", <u>J.Exp.Med.</u> , Vol. 179, pp. 881-887 (1994)
	D23	Mack, et al., "Aminooxypentane-RANTES Induces CCR5 Internalization but Inhibits Recycling: A Novel Inhibitory Mechanism of HIV Infectivity", <u>J.Exp.Med.</u> , Vol. 187, No. 8, pp. 1215-1224 (1998)
	D24	Mosier, et al., "Transfer of a Functional Human Immune System to Mice With Severe Combined Immunodeficiency", <u>Nature</u> , Vol. 335, pp. 256-259 (1988)
	D25	Mosier, et al., "Human Immunodeficiency Virus Infection of Human-PBL-SCID Mice", <u>Science</u> , Vol. 251, pp. 791-794 (1991)
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	D27	Mosier, Donald, "Human Immunodeficiency Virus Infection of Human Cells Transplanted to Severe Combined Immunodeficient Mice", <u>Adv.in Immun.</u> , Vol. 63, pp. 79-125 (1996)
	D28	McKnight, et al., "HIV-2 and SIV Infection of Nonprimate Cell Lines Expressing Human CD4: Restrictions to Replication at Distinct Stages", <u>Virology</u> , Vol. 201, pp. 8-18 (1994)
	D29	Neote, et al., "Molecular Cloning, Functional Expression, and Signaling Characteristics of a C-C Chemokine Receptor", <u>Cell</u> , Vol. 72, pp. 415-425 (1993)
	D30	Oikawa, et al., "Angiogenic Factor of a rat Mammary Tumor Cell Line (RMT-1) (I). Secretion of two Distinct Angiogenic Factors Into Serum-Free Conditioned Medium by RMT-1 Cells", <u>Cancer Lett.</u> , Vol. 59, pp. 57-66 (1991)
	D31	Parren, et al., "Protection Against HIV-1 Infection in hu-PBL-SCID Mice by Passive Immunization With a Neutralizing Human Monoclonal Antibody Against the gp120 CD4-Binding Site", <u>AIDS</u> , Vol. 9, No. 6, pp. 1-6 (1995)
	D32	Paxton, et al., "Reduced HIV-1 Infectability of CD4+ Lymphocytes From Exposed-Uninfected Individuals: Association With Low Expression of CCR5 AND High Production of β -Chemokines", <u>Virology</u> , Vol. 244, pp. 66-73 (1998)
	D33	Picchio, et al., "Chemokine Receptor CCR5 Genotype Influences the Kinetics of Human Immunodeficiency Virus Type 1 Infection in Human PBL-SCID Mice", <u>J.Virol.</u> , Vol. 71, No. 9, pp. 7124-7127 (1997)
	D34	Picchio, et al., "The Cell Tropism of Human Immunodeficiency Virus Type 1 Determines the Kinetics of Plasma Viremia in SCID Mice Reconstituted With Human Peripheral Blood Leukocytes", <u>J.Virol.</u> , Vol. 72, No. 3, pp. 2002-2009 (1998)
	D35	Proudfoot, et al., "Extension of Recombinant Human RANTES by the Retention of the Initiating Methionine Produces a Potent Antagonist", <u>J.Biol.Chem.</u> , Vol. 271, No. 5, pp. 2599-2603 (1996)
	D36	Risau, Werner, "Mechanisms of Angiogenesis", <u>Nature</u> , Vol. 386, pp. 671-674 (1997)
	D37	Schnolzer, et al., "In situ neutralization in Boc-chemistry Solid Phase Peptide Synthesis", <u>J.Peptide Protein Res.</u> , Vol. 40, pp. 180-193 (1992)
	D38	Schuitemaker, et al., "Monocytotropic Human Immunodeficiency Virus Type 1 (HIV-1) Variants Detectable in all Stages of HIV-1 Infection Lack T-Cell Line Tropism and Syncytium-Inducing Ability in Primary T-Cell Culture", <u>J.Virol.</u> , Vol. 65, No. 1, pp. 356-363 (1991)
M	D39	Simmons, et al., "Potent Inhibition of HIV-1 Infectivity in Macrophages and Lymphocytes by a Novel CCR5 Antagonist", <u>Science</u> , Vol. 276, pp. 276-279 (1997)

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OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

- D40 Simmons, et al., "Primary, Syncytium-Inducing Human Immunodeficiency Virus Type 1 Isolates Are Dual-Tropic and Most Can Use Either Lestr or CCR5 as Coreceptors for Virus Entry", J.Viro., Vol. 70, No. 12, pp. 8355-8360 (1996)
- D41 Speck, et al., "Selective Employment of Chemokine Receptors as Human Immunodeficiency Virus Type 1 Coreceptors Determined by Individual Amino Acids within the Envelope V3 Loop", J.Viro., Vol. 71, No. 9, pp. 7136-7139 (1997)
- D42 Tersmette, et al., "Association Between Biological Properties of Human Immunodeficiency Virus Variants and Risk for Aids and Aids Mortality", Lancet, pp. 983-985 (1989)
- D43 Trkola, et al., "CD4-Dependent, Antibody-Sensitive Interactions Between HIV-1 and its Coreceptor CCR-5", Nature, Vol. 384, pp. 184-187 (1996)
- D44 Trkola, et al., "Genetic Subtype-Independent Inhibition of Human Immunodeficiency Virus Type 1 Replication by CC and CXC Chemokines", J.Viro., Vol. 72, No. 1, pp. 396-404 (1998)
- D45 Tsutsumi, et al., "Chemical Modification of Natural Human Tumor Necrosis Factor- α With Polyethylene Glycol Increases its Anti-Tumor Potency", Jpn.J. Cancer Res., Vol. 85, pp. 9-12 (1994)
- D46 Weiss, et al., "Plasma Levels of Monocyte Chemoattractant Protein-1 but not Those of Macrophage Inhibitory Protein-1 α and RANTES Correlate with Virus Load in Human Immunodeficiency Virus Infection", J.Infect.Dis., Vol. 176, No. 6, pp. 1621-1624 (1997)
- D47 Wu, et al., "CCR5 Levels and Expression Pattern Correlate with Infectability by Macrophage-Tropic HIV-1 In Vitro", J.Exp.Med., Vol. 185, No. 9, pp. 1681-1691 (1997)
- D48 Zalipsky, Samuel, "Functionalized Poly(ethylene glycol) for Preparation of Biologically Relevant Conjugates", Bioconj. Chem., Vol. 6, pp. 150-165 (1995)

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	P1						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	F1						

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

	D1	Noso, Norio, et al., "Identification of a N-Terminally Truncated Form of the Chemokine RANTES and Granulocyte-Macrophage Colony-Stimulating Factor as Major Eosinophil Attractants Released by Cytokine-Stimulated Dermal Fibroblasts", <u>Journal of Immunology</u> , Vol. 156, no.5, pgs. 1946-1953 (1996)
<i>MM</i>	D2	International Search Report for PCT/US98/18204

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